	D1	Sqm	2	0.90		2.10	3.78		
	Basic rate							4643.00	
	An additional rate of Rs.3.00/sqm per floor may be added for every additional floor							6.00	
	sub total							4649.00	
	Area weightage 8%							371.92	
	Total						**7.56**	**5020.92**	**37958.16**
	Headroom								
	D1	Sqm	2	0.90		2.10	3.78		
	Basic rate							4643.00	
	An additional rate of Rs.3.00/sqm per floor may be added for every additional floor							9.00	
	sub total							4652.00	
	Area weightage 8%							372.16	
	Total						**3.78**	**5024.16**	**18991.32**
37	Providing and fixing flush door shutter made out of solid core black board type ,well seasoned chemically treated hard wood battens and internal frame with minimum 45 wide wooden frame all round door shutters covered with cross bounded wooden sheets (core veneer)hot pressed and fastened on both sides of the door using liquidphenol formaldehyde resin as per IS specifiaction 2202 (part -1) 1991.from manufacturere (factory) complete as per specification.19.106.3 -do- 30mm thick both side commercial. Pg No. 62 Item No. 9.106.3								
	Ground Floor								
	D2	Sqm	13	0.75		2.10	20.48		
	Basic rate							2026.00	
	Area weightage 8%							162.08	
	Total						**20.48**	**2188.08**	**44811.88**
	First floor								
	D2	Sqm	4	0.75		2.10	6.30		
	Basic rate							2026.00	
	An additional rate of Rs.3.00/sqm per floor may be added for every additional floor							3.00	
	sub total							2029.00	
	Area weightage 8%							162.32	
	Total						**6.30**	**2191.32**	**13805.32**
	Second Floor								
	D1	Sqm	2	0.90		2.10	3.78		
	Basic rate							2026.00	
	An additional rate of Rs.3.00/sqm per floor may be added for every additional floor							6.00	
	sub total							2032.00	
	Area weightage 8%							162.56	
	Total						**3.78**	**2194.56**	**8295.44**

38	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:118.Item no:15.60.1								
	Ground Floor								
	For Door frames								
	D	Sqm	3	7.80	0.15		3.51		
		Sqm	6	7.80	0.125		5.85		
	D1	Sqm	14	6.00	0.10		8.40		
		Sqm	28	6.00	0.075		12.60		
	D2	Sqm	13	5.70	0.10		7.41		
		Sqm	26	5.70	0.075		11.12		
	First floor								
	D	Sqm	1	7.80	0.15		1.17		
		Sqm	2	7.80	0.125		1.95		
	D1	Sqm	4	6.00	0.10		2.40		
		Sqm	8	6.00	0.075		3.60		
	D2	Sqm	4	5.70	0.10		2.28		
		Sqm	8	5.70	0.075		3.42		
	Second Floor								
	D	Sqm	1	7.80	0.15		1.17		
		Sqm	2	7.80	0.125		1.95		
	D1	Sqm	2	6.00	0.10		1.20		
		Sqm	4	6.00	0.075		1.80		
	D2	Sqm	2	5.70	0.10		1.14		
		Sqm	4	5.70	0.075		1.71		
	headroom								
	D1	Sqm	2	6.00	0.10		1.20		
		Sqm	4	6.00	0.075		1.80		
	Basic rate							84.00	
	Area weightage 8%							6.72	
	Total						**75.68**	**90.72**	**6865.69**
39	Providing and applying water proofing to roof slab ,terraces landscape area, podium etc.. Using modified polyurethane cures (confirming to ASTM C B836-84) to give a tough elastomeric water proof membrane on the surface. the surface shall be cleaned free from dust and other particle before usage. **standards and methodology**: This compound has a medium viscocity grade with 620% of elongation and shall be done either by roller application /brush application/spray. this will be applied for a thickness of 1.3 mm first layer 0.5mm and 2nd layer 0.8mm. after applying the 2nd layer sand sprinkle shall be done to provide mechanical key. Pg no:271.Item no: 38.2								
	Roof Slab	Sqm	1	17.63	37.01		652.29		
	Basic rate							700.00	
	Area weightage 8%							56.00	
	Total						**652.29**	**756.00**	**493131.24**

40	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.33 Item No.7.11.2								
	Ground floor								
	W1	Sqm	13	1.50		1.50	29.25		
	W2	Sqm	2	1.10		1.50	3.30		
	W3	Sqm	1	0.75		1.50	1.13		
	V1	Sqm	13	0.75		0.60	5.85		
	Basic Rate							4181.00	
	Area weightage 8%							334.48	
	Total						**39.53**	**4515.48**	**178496.92**
	First floor								
	W1	Sqm	25	1.50		1.50	56.25		
	V1	Sqm	4	0.75		0.60	1.80		
	Basic Rate							4181.00	
	An additional rate of Rs.5/sqm per floor may be added for every additional floor							5.00	
	sub total							4186.00	
	Area weightage 8%							334.88	
	Total						**58.05**	**4520.88**	**262437.08**
	Second Floor								
	W1	Sqm	22	1.50		1.50	49.50		
	V1	Sqm	2	0.75		0.60	0.90		
	Basic Rate							4181.00	
	An additional rate of Rs.5/sqm per floor may be added for every additional floor							10.00	
	sub total							4191.00	
	Area weightage 8%							335.28	
	Total						**50.40**	**4526.28**	**228124.51**

41	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.32 Item No.7.9								
	Ground Floor								
	W1	kgs	13			47.25	614.25		
				21kg per sqm 1.5*1.5*21=47.25					
	W2	kgs	2			34.65	69.30		
				21kg per sqm 1.5*1.1*21=34.65					
	W3	kgs	1			23.63	23.63		
				21kg per sqm 0.75*1.5*21=23.63					
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						**707.18**	**84.24**	**59572.84**
	First floor								
	W1	kgs	25			47.25	1181.25		
				21kg per sqm 1.5*1.5*21=47.25					
	Basic rate							78.00	
	An additional rate of Rs.5/sqm per floor may be added for every additional floor							5.00	
	sub total							83.00	
	Area weightage 8%							6.64	
	Total						**1181.25**	**89.64**	**105887.25**
	Second Floor								
	W1	kgs	22			47.25	1039.50		
				21kg per sqm 1.5*1.5*21=47.25					
	Basic rate							78.00	
	An additional rate of Rs.5/sqm per floor may be added for every additional floor							10.00	
	sub total							88.00	
	Area weightage 8%							7.04	
	Total						**1039.50**	**95.04**	**98794.08**

42	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 43 Item no.7.38								
	Basement Floor								
	stair case railing	sqm	1	12.38		0.90	11.14		
		Sqm	1	6.38		0.90	5.74		
	Basic rate							6147.00	
	Area weightage 8%							491.76	
	Total						**16.88**	**6638.76**	**112062.27**
	Ground floor								
	stair case railing	sqm	1	14.34		0.90	12.91		
		Sqm	1	8.34		0.90	7.51		
	Basic rate							6147.00	
	Area weightage 8%							491.76	
	Total						**16.88**	**6638.76**	**112062.27**
	First floor								
	stair case railing	sqm	1	14.34		0.90	12.91		
		Sqm	1	8.34		0.90	7.51		
	Basic rate							6147.00	
	An additional rate of Rs.5/sqm per floor may be added for every additional floor							5.00	
	Sub total							6152.00	
	Area weightage 8%							492.16	
	Total						**20.42**	**6644.16**	**135673.75**
	Second Floor								
	stair case railing	sqm	1	14.34		0.90	12.91		
		Sqm	1	8.34		0.90	7.51		
	Basic rate							6147.00	
	An additional rate of Rs.5/sqm per floor may be added for every additional floor							10.00	
	Sub total							6157.00	
	Area weightage 8%							492.56	
	Total						**20.42**	**6649.56**	**135784.02**

43	Providing and fixing M.S. Gate as per Chief Architect Drawing,using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. Pg no:42.Item no:7.37								
	Gate	Sqm	1	7.00		1.80	12.60		
	Basic rate							2934.00	
	Area weightage 8%							234.72	
	Total						**12.60**	**3168.72**	**39925.87**
44	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:120.Item no:15.74								
	For window and ventilators	sqm	1	window qty+ventilator qty			147.98		
	Painting for Grill	Sqm	1	window qty			139.43		
	Painting for gate	Sqm	1	7		1.8	12.60		
	Basic rate							82.00	
	Area weightage 8%							6.56	
	Total						**300.01**	**88.56**	**26568.89**
45	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 133,Item								
	EARTH	Cum					460.35		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						68.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB :	t.km	For surface roads exluding loading & unloading				Basic rate	2.50	

	Average Weight of	For2Kms =2x1.28x2.5					6.40	
	Basic rate						74.40	
	Area weightage 8%						5.95	
	Total					**460.35**	**80.35**	**36990.04**
							TOTAL AMOUNT	**27697853.49**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2016-2017 and approved rates.

Assistant Engineer
Yelahanka Project
BBMP

Assistant Executive Engineer
Yelahanka Project
BBMP
22/5/2017

Executive Engineer
Yelahanka Project
BBMP
22/5/17

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF HOSPITAL BUILDING IN WARD NO. 11 (KUVEMPUNAGARA) IN VIDYARANYAPURA SUB DIVISION

(2)SUMP

								Est.Cost.Rs.	89716
Sl N	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 Pg No 5,Item No 2.4,								
	For sump	cum	1	2.66	2.66	2.20	15.57		
	Basic rate							283.00	
	Area weightage 8%							22.64	
	Total						**15.57**	**305.64**	**4757.69**
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.12 Item No 4.3								
	For sump	Cum	1	2.66	2.66	0.10	0.71		
	Basic rate							4867.00	
	Area weightage 8%							389.36	
	Total						**0.71**	**5256.36**	**3719.19**
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 Pg No 15,Item No 4.31								
	Sump walls	sqm	4	2.66		1.80	19.15		
		sqm	4	2.36		1.80	16.99		
	Basic rate							293.00	
	Area weightage 8%							23.44	
	Total						**36.14**	**316.44**	**11437.41**
4	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness 200 mm including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 15,Item No 4.18								
	Sump Top Slab	Sqm	1	2.66	2.66		7.08		
	Basic rate							313.00	
	Area weightage 8%							25.04	
	Total						**7.08**	**338.04**	**2391.84**

5	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mmand down size graded granite metal coarse aggregates @0.7cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming toIS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications.Specification No. KBS 4.1, 4.6,Pg No. 13 Item No. 4.12								
	For sump								
	Bottom slab	Cum	1	2.66	2.66	0.15	1.06		
	Sump walls	Cum	2	2.66	0.15	1.80	1.44		
		Cum	2	2.36	0.15	1.80	1.27		
	Cover slab	Cum	1	2.66	2.66	0.15	1.06		
	Basic rate							6367.00	
	Area weightage 8%							509.36	
	Total						**4.83**	**6876.36**	**33236.75**
6	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.17 Item No.4.46.2								
	sump						4.83		
		kg	Steel assumed 125Kg/Cum of Concrete				604.19		
		tonne					**0.60**		
	Basic rate							48825.00	
	Area weightage 8%							3906.00	
	Total						**0.60**	**52731.00**	**31859.28**
7	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 73 item no. 11.44								
	For sump	No.s	4				4.00		
	Basic rate							246.00	
	Area weightage 8%							19.68	
	Total						**4.00**	**265.68**	**1062.72**
8	Pg No 134,Item No17.4 Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.								
	EARTH	Cum					15.57		
	Loading and unloading item no.17.1 KSRRB M	Cum						68	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading				Basic rate	2.5	

Average Weight of earth (1.28 Tonne/cum.)	For2Kms =2x1.28x2.5						6.40	
Basic rate							74.40	
Area weightage 8%							5.95	
Total						**15.57**	**80.35**	**1250.78**
							TOTAL AMOUNT	**89715.66**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2016-2017 and approved rates.

Assistant Engineer
Yelahanka Project
BBMP

Assistant Executive Engineer
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Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :CONSTRUCTION OF HOSPITAL BUILDING IN WARD NO. 11 (KUVEMPUNAGARA) IN VIDYARANYAPURA SUB DIVISION

3) BORE WELL

Sl No	Description of item	Unit	No	L	B	D	Qty	Estimate Cost Rs. 625000.00 Rate	Amount
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.48, I. 9.4) PRED.SR 2012-13**	Each BW	1				**1**	1882.00	**1882.00**
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 46 / I. 9.1 PRED SR 2012-13**								
	0 to 50 m	Rmtr	1	50.00			**50.00**	315.18	**15759.00**
	50 to 100 m		1	50.00			**50.00**	412.00	**20600.00**
	100 to 150 m		1	50.00			**50.00**	458.35	**22918.00**
	150 to 200 m		1	50.00			**50.00**	484.10	**24205.00**
	200 to 250 m		1	50.00			**50.00**	560.32	**28016.00**
	250 to 300 m		1	50.00			**50.00**	600.49	**30025.00**
3	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty **P. iii, I No. 84 PRED SR 2012-13**	Rmtr	1	70.00			**70.00**	1325.00	**92750.00**
4	Providing 250mm dia PVC Pipe 6kg/cm **BWSSB SR 2014-15 Page No. 53, Item No. 1(ii)**	Rmtr	1	18.00			**18.00**	1100.00	**19800.00**
5	Providing and fixing 160mm Borewell Cap **P. iii, I No. 85 PRED SR 2012-13**	Each	1				**1**	100.00	**100.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **PWD SR 2015-16 P. XXXX Item No. 24 including of all taxes**	No							
	12.5 HP 25 Stage		1				**1**	60400.00	**60400.00**
7	KSRB 13.3.6: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) **50mm** dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments complete as per specifications. Specification No. KBS 13.2.14 /13.6 **Page No. 90 / Item No. 13.15 / PWD SR 2015-16**	M							
			1	260.00			**260.00**	431.00	**112060.00**
8	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of **GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 4 Sqm mm KPWD Electrical SR 2014-15**	Mtr							
			1x2	270.00			**540.00**	126.70	**68418.00**
9	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15)**	Per Length							
	(780/6)=130.00		1	130.00			**130**	88.00	**11440.00**
10	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., **P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15**	Each							
			1				**1**	302.00	**302.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**	Mtr							
			1	30.00			**30.00**	140.40	**4212.00**
12	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**	Mtr							
			1	30.00			**30.00**	10.80	**324.00**
13	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15**	Mtr							
	For Cutting Road Surface		1	25.00			**25.00**	85.00	**2125.00**
14	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV **P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15**	Mtr							
	40mm dia GI pipe		1	4.00			**4.00**	345.00	**1380.00**
15	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15**	No.							
	16Sqmm		1				**1.00**	280.00	**280.00**
16	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, **(P No. 55, I No. 7.1) KPWD Electrical SR 2014-15**	No							
			1				**1**	2727.00	**2727.00**
17	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.**P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15**	No.							
	32 Amps		1x6				**6**	180.00	**1080.00**
18	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 **Page No. 90 Item No. 13.55 / PWD SR 2015-16 50 mm dia**	Nos							
			1				**1**	1579.40	**1579.00**
	Basic Rate	1490.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	89.40							
	Total	**1579.40**							
19	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. **P. No. 92 / I. No. 13.81.3 PWD SR 2014-15**	No							
	50mm dia		1				**1**	227.90	**228.00**
	Basic Rate	215.00							
	Area Weightage @ 6%	12.90							
	Total	**227.90**							
20	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete **P. XXXVII PWD SR 2015-16**	No							
			1	4.00			**4**	104.30	**417.00**
21	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **5-32Amps Group A TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15**	No							
			1				**1**	1547.00	**1547.00**
22	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 57, I. No. 6.41.2 KPWD Electrical SR 2014-15**	Sq.Cm							
	16SWG		1x2	120.00	60.00		14400.00		
			1	360.00	25.00		9000.00		
							23400.00	0.33	**7722.00**
23	Supplying fully automatic store detta starer unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor upto **12.50 HP (KPWD electrical SR for 2014-15 Page No. 44 Item No. 6.2.1)**	No.							
			1				**1**	6583.00	**6583.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil**	Cum							
			1	250.00	0.60	0.75	112.50		
							112.50	188.00	**21150.00**
25	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**	Rmtr							
	75 mm dia 6 KSC PVC pipe		1	250.00			250.00		
							250.00	157.00	**39250.00**
26	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum							
			Qty. Vide Item No. 27				**112.50**	61.00	**6863.00**
	Basic Rate	61.00							
27	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **P. 92 / I.13.37 PWD SR - 2015-16**	Each							
			3				**3**	2120.00	**6360.00**
	Basic Rate	2000.00							
	Area Weightage @ 6%	120.00							
	Total	**2120.00**							
28	Sub Total								**612502.00**
29	BESCOM Deposit for Borewell	L/S	1	10000.00					**10000.00**
30	Miscellaneous and Unforeseen Charges	L/S							**2498.00**
								Total	**625000.00**
	(Rupees Six Lakhs Twenty Five Thousand Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per C.S.R. of PWD 2015-16, PWD Elecrical 2014-15, PRED 2012-13 & SE-RDED approved Rate.

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer
Yelahanka project
BBMP

Assistant Executive Engineer
Yelahanka project
BBMP
24/5/2017

Executive Engineer
Yelahanka project
BBMP
24/5/17